

WILLIAMSON ET AL
Appl. No. 10/536,804
Atty. Ref.: 620-373
Amendment
August 9, 2010

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

Claims 1-105. (Canceled)

106. (Currently Amended) A method of identifying a compound as a putative anti-prostate cancer or anti-breast cancer agent, the method comprising; determining the expression of a plexinB1 nucleic acid in a cell ~~or cell~~ lysate in the presence of a test compound as compared with expression of the plexinB1 nucleic acid in the cell ~~or the cell~~ lysate in the absence of the test compound, wherein said plexinB1 nucleic acid comprises ~~the plexinB1 coding sequence~~ of AB007867.1 (SEQ ID NO:112) with at least one mutation in the coding region of the nucleic acid selected from the group consisting of C5059T, C5060T, G5074A, A5107G, A5359G, T5401A, G5452A, G5458A, C5468T, A5474G, A5596G, A5653G, C5662T, A5674G, C5713T, T5714C and C5980T, wherein the mutations are numbered starting at residue 1 of AB007867.1 (SEQ ID NO:112) and;

wherein a reduction in expression of the plexinB1 nucleic acid in the cell ~~or cell~~ lysate in the presence of the test compound as compared with expression of the plexinB1 nucleic acid in the cell ~~or the cell~~ lysate in the absence of the test compound identifies the test compound as a putative anti-prostate cancer or anti-breast cancer agent.

Claims 107-108. (Canceled)

WILLIAMSON ET AL
Appl. No. 10/536,804
Atty. Ref.: 620-373
Amendment
August 9, 2010

109. (Previously Presented) The method according to claim 106, wherein said mutations are selected from the group consisting of C5059T, C5060T, G5074A, A5359G, T5401A, G5452A, G5458A, C5468T, A5474G, A5596G, A5653G, C5662T, A5674G, C5713T, T5714C and C5980T.

Claim 110. (Canceled)

111. (Previously Presented) The method of claim 106 wherein said at least one mutation is A5653G.

Claims 112-114. (Canceled)

115. (Previously Presented) The method of claim 106 wherein said plexinB1 nucleic acid comprises the plexinB1 coding sequence of AB007867.1 (SEQ ID NO:112) with a mutation A5653G.

116. (Previously Presented) The method of claim 106 wherein said at least one mutation is C5059T or C5060T.

117. (Currently Amended) The method of claim 106 wherein said putative agent is an anti-breast cancer putative agent and said at least one mutation is G5452A or G5458A and a reduction in expression of the plexinB1 nucleic acid in the cell ~~or cell lysate~~ in the presence of the test compound as compared with expression of the plexinB1 nucleic acid in the cell ~~or the cell lysate~~ in the absence of the test compound identifies the test compound as a putative anti-breast cancer agent.

118. (Currently Amended) The method of claim 106 wherein said putative agent is an anti-prostate cancer putative agent and said at least one mutation is A5653G and

WILLIAMSON ET AL
Appl. No. 10/536,804
Atty. Ref.: 620-373
Amendment
August 9, 2010

a reduction in expression of the plexinB1 nucleic acid in the cell ~~or cell lysate~~ in the presence of the test compound as compared with expression of a of the plexinB1 nucleic acid in the cell ~~or the cell lysate~~ in the absence of the test compound identifies the test compound as a putative anti-prostate cancer agent.